Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

Nc[illegible]t & Final Bill

Date.....2017

Zone:**BBMP,Yelahanka** Division:**BBMP, Byatarayanapura** Sub-Division:**BBMP, Kodigehalli**

Bill Received No. Dated Divisional / Sub-Divisional

Cash Book Voucher No.....Dated.....

Job Code: 007-16-000029

Schedule Docket No. Head of Account: P3111 Est.Cost: Rs.25.00 Lakhs D.R.NO.: SBRNO: 36/27-9-2018

Name of Work : Development works for providing Drinking Water facility in Byatarayanapura in Ward No 07

Name of Contractor and Full Address: Executive Engineer, K.R.I.D.L, #119, 11th Cross Road, Sylvester arcade, 3rd Floor, West park road, Malleshwaram, Bangalore-03

Reference to Agreement No. BBMP/EE/BTP/WO/152/2016-17 Date: 25.11.2016

Certified that the measurements were taken by me on: 05/02/18.2017 and recorded of Pages 188560 to 188569 of measurement Book No. **1886/2012-13** and that work is satisfactorily executed.

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Contractor

Officer-in-charge of work

Certified that measurements were taken by me on 5/2/18 /2017 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Accont have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

		Amount
1) Total value of work done or supplies made as per account within		12,70,618-00
2) Deduct amount to be held in reserve being.....Percent Rs.....		IT - 25412-00
3) " Balance		Cay - 1270-00
4) Deduct Payment:		CBF - 1271-00
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D.No..... adjusted towards cash advance recovery of		FSD 63531-00
b) Payments cost store or other material supplied.		Fine-16985-00
Now made recovery of amount creditable to this /other work		AWIT 11990-00
Amount paid on this bill Cheque/Cash.		
5) Balance being unpaid value of work done held in reserve.		
6) Deduct cash advance made on the Office cash Book Voucher No..... dated .....less adjustments.		
7) Net amount due to or from Contractor unadjustments items.		
8) Advance to Contractor for materials brought to site (as detailed) within		
9) Value of Government materials supplied.		
Total amount adjusted		11,50,713-00
Contractor's Signature		

Received Rs.....(in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

(For signature of the Officer)

Witness
1 Assistant Executive Engineer
2 Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Dated Signature of Contractor

Paid by me by Cheque No Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Executive Engineer

Stamp

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ಗಳ ಕಡಿತ ಮಾಡಿದೆ: ಇದರಲ್ಲಿ ರೂ 119905-00

ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 1150713-00

Rs: Eleven lakh fifty thousand seven hundred thirteen only.

ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ

Verified

ಲೆಕ್ಕಾಧೀಕ್ಷಕರು 27/9

Executive Engineer 27/9

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Sl. No.	Items grouped under sub-Heads and Sub-Works of the Estimate Description	Unit
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumbergers method, including reconnaissance survey of geophysical formation,Geophysica l investigation of existing Ground Wate in the vicinity, its quality & acceptability of the users indicating the loction of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth ofdrilling required to cover full depth of aquifer proposed to be tapped, proble yield and other information required including trasportation of instrument and accessories to work site, engaging technical personal and labour required etc., as per Specification and direction, with all lead and lift, loading , unloading and labour charges etc.,complete and as per the direction of the Engineer-in-charge of the work	Each BW
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG &above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth ith minuimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc,,)_with all lead and lift, loading, unloading and labour charges etc., complete ans as per the directions of the Engineer-in-charge of the work 0 to 50 m	Rmtr
	50 to 100m	Rmtr
	100 to 150m	Rmtr
	150 to 200m	Rmtr
	200 to 250m	Rmtr
	250 to 300m	Rmtr
3	Supply of ISI mark 175 mm nominal bore mwdium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp/ stries in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes), with all lead and lift , loading, unloading and labour charges etc., complete and per the directions of the Engineer -in-charge of the work	Rmtr
4	Providing 250mm dia PVC Pipe 6kg/cm as per specification and direction of the Engineer in Charge of the work	Rmtr
5	Providing and fixing 160mm Borewell Cap with clamp Set H/D, with all lead and lift, loading, unloading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No
6	Supply and delivery at site brand New texmo/ innoval/ lubi/ sabar/ Atalanta/Calamal/ make suitable for vertical installaton in 150mm dia bore well comprising of single stage orv multistage CF pump close coupled by meaans of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking waterv (Wet type) squirrel cage submersible induction motor suitable for operation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction , casing suction strainers sand guard Non return value etc., complete, The pump and motor shall form an integral unit with all the required fittings 10.00 HP 20 stage, wih all lead and lift, lading, unloading and labour charges etc. complete and as per the directions of the engineer-in-charge of the work 12.50 HP 20 stage.	No
7	Providng GI pipes confirmng to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead and threads for joints wherever necessary as per directions including all lead and lifts etc., complete (excluding cost of fittings) 50mm dia GI pipe B class	Rmtr

Previous Measurement		Present Measurement			Total Upto Date	
Qty	Rate Rs. P.	Qty	Rate Rs. P.	Amount	Qty	Cost
-	-	0.00	1882.00	0.00	0.00	0.00
-	-	0.00	315.18	0.00	0.00	0.00
-	-	0.00	412.00	0.00	0.00	0.00
-	-	0.00	458.25	0.00	0.00	0.00
-	-	0.00	484.10	0.00	0.00	0.00
-	-	0.00	560.32	0.00	0.00	0.00
-	-	0.00	600.49	0.00	0.00	0.00
-	-	0.00	1325.00	0.00	0.00	0.00
-	-	0.00	1100.00	0.00	0.00	0.00
-	-	0.00	100.00	0.00	0.00	0.00
-	-	0.00	60400.00	0.00	0.00	0.00
-	-	0.00	321.00	0.00	0.00	0.00

8	Heavy Duty Collar 50mm dia	Rmtr
9	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS;8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. with all lead and lft , loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr
10	Labour charges for errection of new / repaired submercib le pupset along with GI pipes (32/50mm) cable (new submercible pumpset if required will be supplied by the department free of cost and released pumpset should be handed over to department including transportation (each length=6.0m)	No
11	Supplying and fixing 20*20*2.5 polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., with all lead and lift, loading, unloading and labour charges etc., complete and as per te directions of the Engineer-in-charge of the work	No
12	Supplying of 1.1 KV LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel strip (except 2C*10Sq.mm wire armoured) confirming to IS-3975; 1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1;1998 & confirming to GTP of GROUP-A P No.55/1 No.7.4.4.4 core 16 Sqmm	Mtr
13	Labour charges for laying of 1.1 K.V class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required in existing trench/duct	Mtr
14	Digging or trenching of 0.6m *0.5m wide refilling the trench to the required ground level and consolidating etc., complete as per Civil SR KSRB 1-2 P-7 with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr
15	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class with all lead and lift , loading, unlaoding and labour charges etc., complete and as per the directions of the Engineer -in-charge of the work	Mtr
16	Supplying and fixing L.T cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., with all lead and lift, loading , unloading and labour charges etxc., complete and as per the directions of the Engineer-in-charge of the work	No
17	supplying, fixing, wiring, earthelectode for grounding conduits, I.C cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 m long burie in a pit. The pit should be filled with equal propotion of solts and charocoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12mm dia bolts , nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, (pwd Electrical SR-1999-2000, with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the wok	No
18	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden/ panel using necessary nuts, bolts and washer etc., with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No
19	Providing and fixing in position 50mm nominal bore gun metal non-return value horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No
20	Procviding NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No
21	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	

-	-	0.00	130.00	0.00	0.00	0.00
-	-	0.00	126.70	0.00	0.00	0.00
-	-	0.00	88.00	0.00	0.00	0.00
-	-	0.00	302.00	0.00	0.00	0.00
-	-	0.00	140.40	0.00	0.00	0.00
-	-	0.00	10.80	0.00	0.00	0.00
-	-	0.00	85.00	0.00	0.00	0.00
-	-	0.00	345.00	0.00	0.00	0.00
-	-	0.00	280.00	0.00	0.00	0.00
-	-	0.00	2727.00	0.00	0.00	0.00
-	-	0.00	180.00	0.00	0.00	0.00
-	-	0.00	1579.00	0.00	0.00	0.00
-	-	0.00	227.00	0.00	0.00	0.00
-	-	0.00		0.00	0.00	0.00

22	Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos.2KVAR capacity with all lead and lift loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No
23	Supplying and fixng miniature circuit breakers/solaters on existing MCB distribution boars using necessary fixing materiast wiring complete as requireds 5 to 30 amps triple pole with all lead and lift loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No
24	Fabrication supplying and mounting MS box of 16 SWG suitable for floor/wall mounting, fully weather proo with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements with suitable size clamps withnecessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colur enamelled metal paint etc., complete box of 2160 sqcm, with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Sq.Cm
25	Supply fuly automatic star delta starter unit push button type with suitable wires, contacters, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts 3 phase and wird after fixing to the existing wooden board for motor upto 12.5 HP	No
26	Earthwork excavation for pipeline foundation including deporiting or bank up to a depth of 50mtrs including shiriry and statting danger lighting and using site rails and boming poles at every 100mtrs wherever necessary as directed in the following strructure manhole with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Cum
27	Providing and instalation at site of works P.V.C Pipes including cost of pipes and specials and including lowring into trenches, laying true to line level and perpect linkng at joints, leak proof including jointing encasing the pipe alroud to a depth Not less than 15cm with grave or seleted earth avalabile from the execavation with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Rmtr
28	Refilling the basement and pipeline treanches with secleted available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200mtrs	Cum
29	Providing and fixing in position brass gate value with C.I wheel of apporoved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specification with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Each
	Borewell Repair Works	
31	Starter (with one year Guarantee) etc complete as per specification and direction of the Engineer in Charge of the work	No
32	Rotor (with one year Guarantee) etc complete as per specification and direction of the Engineer in Charge of the work	No
33	Upper Flange etc complete as per specification and direction of the Engineer in Charge of the work	No
34	Lower houseing etc complete as per specification and direction of the Engineer in Charge of the work	No
A	Carbon houseing etc complete as per specification and direction of the Engineer in Charge of the work	No
B	Thrust bearing block aasembly complete with Segment bearing pad etc complete as per specification and direction of the Engineer in Charge of the work	No
C	Oil seal etc complete as per specification and direction of the Engineer in Charge of the work	No
D	Oil seal Steel Bush etc complete as per specification and direction of the Engineer in Charge of the work	No
E	Guide vane etc complete as per specification and direction of the Engineer in Charge of the work	No
F	Impeller Shell moulded with aluminium Bronze) etc complete as per specification and direction of the Engineer in Charge of the work	No
G	Discharge outlet (D.O) Bearing D.O Steel Bush etc complete as per specification and direction of the Engineer in Charge of the work	No

-	-	0.00	1350.00	0.00	0.00	0.00
-	-	0.00	1547.00	0.00	0.00	0.00
-	-	0.00	0.33	0.00	0.00	0.00
-	-	0.00	6583.00	0.00	0.00	0.00
-	-	0.00	188.00	0.00	0.00	0.00
-	-	0.00	157.00	0.00	0.00	0.00
-	-	0.00	61.00	0.00	0.00	0.00
-	-	0.00	2120.00	0.00	0.00	0.00
-	-					
-	-	27.00	5050.00	136350.00	27.00	136350.00
-	-	27.00	4700.00	126900.00	27.00	126900.00
-	-	27.00	350.00	9450.00	27.00	9450.00
-	-	27.00	650.00	17550.00	27.00	17550.00
-	-	27.00	475.00	12825.00	27.00	12825.00
-	-	27.00	1150.00	31050.00	27.00	31050.00
-	-	27.00	125.00	3375.00	27.00	3375.00
-	-	27.00	150.00	4050.00	27.00	4050.00
-	-	400.00	175.00	70000.00	400.00	70000.00
-	-	400.00	425.00	170000.00	400.00	170000.00
-	-	27.00	445.00	12015.00	27.00	12015.00

H	steel bushetc complete as per specification and direction of the Engineer in Charge of the work	No
I	Pump shaft made out of stainless steel centreless ground with key way (upto 8 stages) etc complete as per specification and direction of the Engineer in Charge of the work	No
35	Non- return value (NRV) assembly complete with ruber o ring etc complete as per specification and direction of the Engineer in Charge of the work	No
36	Cable Guard etc complete as per specification and direction of the Engineer in Charge of the work	No
37	Brass filter etc complete as per specification and direction of the Engineer in Charge of the work	No
38	Re-erection charges of pumping machineries including overhauling and pointing etc complete as per specification and direction of the Engineer in Charge of the work	Each
39	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS;8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts P. No. 49/1. 29-b(1) 4 sqm mm of 56 strands 0.3mm dia Group - A etc complete as per specification and direction of the Engineer in Charge of the work	Mtr
40	**C) Replacement of pump parts; The Following main components of submersible pump sets requiring Replacement**	
41	Oil Seal	No
42	Oil seal Steel Bush	No
43	Guide vane	No
44	Impeller Shell moulded with aluminium Bronze)	No
45	Discharge outlet (D.O) Bearing D.O Steel Bush	No
46	steel bush	No
47	Pump shaft made out of stainless steel centreless ground with key way (upto 8 stages)	No
48	Non- return value (NRV) assembly complete with ruber o ring	No
49	Cable Guard	No
50	Brass filter	No
51	Re-erection charges of pumping machineries including overhauling and pointing	
52	Supply of drinking waterthrough water tankers of Capacity 3000 Liters including hiring of water tankers hiring of tractor 40HP including cost of water and enagaging heavy mazdoor to deliver water from source to supply point including cost of fuel, lubricants men and machinary all leads and lifes transportation labour etc complete.	
	Total	
	Add 8% K.R.I.D.L Charges	
	Total	

CRTIFICATE:

1. Certified that the above work done satisfactory and no materials issued from Department

AE(WT)

-	-	27.00	150.00	4050.00	27.00	4050.00
-	-	27.00	950.00	25650.00	27.00	25650.00
-	-	27.00	1350.00	36450.00	27.00	36450.00
-	-	27.00	150.00	4050.00	27.00	4050.00
-	-	27.00	250.00	6750.00	27.00	6750.00
-	-	27.00	900.00	24300.00	27.00	24300.00
-	-	520.00	126.70	65884.00	520.00	65884.00
-	-	-	-	-	-	-
-	-	1.00	125.00	125.00	1.00	125.00
-	-	1.00	150.00	150.00	1.00	150.00
-	-	15.00	175.00	2625.00	15.00	2625.00
-	-	15.00	425.00	6375.00	15.00	6375.00
-	-	1.00	445.00	445.00	1.00	445.00
-	-	1.00	150.00	150.00	1.00	150.00
-	-	1.00	950.00	950.00	1.00	950.00
-	-	1.00	1350.00	1350.00	1.00	1350.00
-	-	1.00	150.00	150.00	1.00	150.00
-	-	1.00	250.00	250.00	1.00	250.00
-	-	1.00	950.00	950.00	1.00	950.00
-	-	890.00	452.00	402280.00	890.00	402280.00
				1176499.00		1176499.00
				94119.92		94119.92
				1270618.92		**1270618.92**